BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Construction of Bus Stop in Ramachandrapura in Ward No. 10, Daddabommasandra, Vidyaranyapura Sub Division.

Estimate Cost Rs. 1000000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, **No. 5/ Item No. 2.4/ PWD SR 2012-13**	Cum							
	For footing		1	1.96	0.95	0.90	1.68		
	Right Side		1	1.10	0.85	0.90	0.84		
	For CC Drain		2	15.00	0.90	0.70	18.90		
							21.42		
						2 Nos	**42.83**	198.22	**8491.00**
	Basic Rate	187.00							
	Area Weightage @ 6%	11.22							
	Total	**198.22**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using 40mm and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(P.12/I.4.3 PWD SR - 2012-13)**	Cum							
	Right Side		1	1.96	0.95	0.15	0.28		
	Left Side		1	1.10	0.85	0.15	0.14		
			2	15.00	0.90	0.15	4.05		
							4.47		
						2 Nos	**8.94**	3812.82	**34083.00**
	Basic Rate	3597.00							
	Area Weightage @ 6%	215.82							
	Total	**3812.82**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 **Page No. 16/ Item No. 4.28/ PWD SR 2012-13**	Sqm							
			2	1.96		0.60	2.35		
			2	0.95		0.60	1.14		
			2	1.10		0.60	1.32		
			2	0.85		0.60	1.02		
			2x3	15.00		0.60	54.00		
							5.83		
						2Nos	**11.66**	198.22	**2312.00**
	Basic Rate	187.00							
	Area Weightage @ 6%	11.22							
	Total	**198.22**							
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2012-13**	Cum							
			1	1.81	0.80	0.60	0.87		
			1	1.00	0.75	0.60	0.45		
			1	15.00	0.75	0.10	1.13		
			2	15.00	0.10	0.60	1.80		
							4.24		
						2 Nos	**8.49**	5142.06	**43644.00**
	Basic Rate	4851.00							
	Area Weightage @ 6%	291.06							
	Total	**5142.06**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.1: Providing Mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.45/ PWD SR 2012-13**	Qtl							
	224 Kg / Cum		2.24	8.49			**19.01**	7690.30	**146210.00**
	Basic Rate	7255.00							
	Area Weightage @ 6%	435.30							
	Total	**7690.30**							
6	Supplying, fabricating, erecting, and fixing in position, inserts and embedments, Truss, clamps, brackets, insert plates and all miscellaneous steel works as shown in drawing and as directed by the Engineer at all depths, using MS angles, channels, steel beams, rails, tees, plates, flats, rounds squares etc., of various sizes and other **structural section** confirming IS 2062 grade A, medium class GI pipes etc., including straighting, cutting, fabricating, welding, bending to slope fixing to position, welding to insert plate embeded in concrete and inclusive of 2coats of enamel paint over one coat of metal primer. The rate quoted is to include the cost of all materials, labour, tools, tackets, cranes, devices and plants, wastage etc., as per specifications and drawings complete. Including cost of bolts, nuts, washers, clamps, welding, electrodes, and connections required for the work. Rate to include shims and packing peices etc., complete with all lead and lifts as directed by the Engineer-in-charge.	MT							
	(Market Rate)								
	20 dia J Type Anchor		12	0.75			9.00		
				@	2.47	kg/m	22.19	Kg	
	MS Base Plate		4	0.25	0.30	0.06	0.018		
	6mm thk Stiffner Plate		8	0.10	0.10	0.06	0.005		
							0.023		
						7850.00	178.98	Kg	
	RHS 80 x 40 x 2mm		2	2.75			5.50		
			1	7.50			7.50		
							13.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
						6.70	87.10	Kg	
	SHS 25 x 25 x 4mm		3	1.46			4.38		
			8	0.65			5.20		
							9.58		
						1.80	17.24	Kg	
	ISMC 200		2	5.00			10.00		
			2	6.00			12.00		
							22.00		
						22.10	486.20	Kg	
	Truss								
	L 25 x 25 x 5		7	1.40			9.80		
			6	0.92			5.49		
			4	1.40			5.60		
			4	0.92			3.66		
	L 45 x 45 x 5		2	7.50			15.00		
			2	0.92			1.83		
			4	2.40			9.60		
			4	0.92			3.66		
							54.64		
						1.80	98.35	Kg	
	MS Pipe for Purlin & Rafter								
	38mm dia		4	2.20			8.80		
						2.58	22.70	Kg	
	32mm dia		2	7.50			15.00		
						3.25	48.75	Kg	
	MS Sheet of 14 Gauge								
	Left side		1	0.75	3.73	0.002	0.006		
			1	0.75	0.86	0.002	0.001		
			1	0.45	3.73	0.002	0.003		
			1	0.85	0.95	0.002	0.002		
			1	0.34	0.27	0.002	0.000		
			1	0.85	1.31	0.002	0.002		
			1	0.85	0.41	0.002	0.001		
			1	0.85	0.86	0.002	0.001		
			1	0.23	0.27	0.002	0.000		
			1	1.40	0.23	0.002	0.001		
	Right Side		1	1.56	0.20	0.002	0.001		
			1	0.13	1.80	0.002	0.000		
			1	0.24	1.80	0.002	0.001		
			1	1.56	1.84	0.002	0.006		
			1	1.56	0.20	0.002	0.001		
			1	0.24	1.80	0.002	0.001		
			1	0.13	1.80	0.002	0.000		
			1	1.56	0.44	0.002	0.001		
			1	0.11	0.79	0.002	0.000		
			1	1.56	0.61	0.002	0.002		
			1	0.45	3.95	0.002	0.004		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	0.29	0.23	0.002	0.0001		
							0.0338		
					0.034 x	7850.00	265.64	Kg	
	Seating below								
	100 x 50 MS sq		1	6.50			6.50		
			7	0.90			6.30		
							12.80		
						9.81	125.57	Kg	
	25 x 25 MS sq		2	6.50			13.00		
			1	6.50			6.50		
			7	0.60			4.20		
							23.70		
						2.25	53.33	Kg	
						Total Qty	**1.41**		
						2 Nos	**2.81**	85000.00	**239029.00**
7	Manufacturing, providing & fixing Advertisement Boards with frame of 25x25x2mm sq.pipe and S.S Beading with rivets with 1.2mm thick polycorbonate sheet covering as per approved drawing & specification etc., complete and as directed by the Engineer in charge	Sqm							
	(Market Rate)								
			1	0.90	1.20		1.08		
			1	7.80	1.20		9.36		
			1	6.10	1.20		7.32		
			2	1.20	1.80		4.32		
			1	1.65	1.20		1.98		
							24.06		
						2 Nos	**48.12**	3000.00	**144360.00**
8	Providing and fixing stainless steel hand rails for a height of 900 mm using m 62.50 mm dia of 16 guage for top measure and verticals at 1.50 m C/c, and 50 mm dia of 16 guage stainless steel pipes of 4 rows below top measure at equal intervals including fixing with 500 mm dia, G.L pipe including cutting, welding, be4nding wherever necessary with suitable caps at top and bottom etc, complete finishing with mat / shnining finishing etc, complete as per technical specification and as directed by the engineer in charge or work, **No. 235/ Item No. 37.56 PWD SR 2012-13**	M							
	Flooring		2	2.40			4.80		
							4.80		
						2Nos	**9.60**	4282.40	**41111.00**
	Basic Rate	4040.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	242.40							
	Total	**4282.40**							
9	Galvalume Steel Sheet Roofing: Providing galvolume sheet roofing fixed with polymer								
		Sqm	1	7.90	2.45		19.36		
							19.36		
						Nos	**38.71**	1137.00	**44013.00**
10	Providing & fixing 84C Steel Flase Ceiling with panel of 0.5mm thick with necessary fitings etc complete and as per directions of Engineer-In-Charge.	Sqm							
			1	7.90	2.45		19.36		
							19.36		
						2Nos	**38.71**	1500.00	**58065.00**
11	Providing & fixing Granite Seating with necessary fitings etc complete and as per directions of Engineer-In-Charge.	Sqm							
			1	6.50	0.33		2.15		
							2.15		
						2Nos	**4.29**	3500.00	**15015.00**
12	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2012-13**	Cum							
	For Hand Rails		6	0.30	0.30	0.30	0.16		
	Flooring		1	7.90	2.40	0.15	2.84		
							3.01		
						2Nos	**6.01**	4327.98	**26020.00**
	Basic Rate	4083.00							
	Area Weightage @ 6%	244.98							
	Total	**4327.98**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
13	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement / colour pigment etc., complete. **using grey granite Page No. 116 / Item No. 14.47.1 / PWD SR 2012-13**	Sqm							
			1	7.90	2.40		18.96		
							18.96		
						2Nos	**37.92**	1708.72	**64795.00**
	Basic Rate	1612.00							
	Area Weightage @ 6%	96.72							
	Total	**1708.72**							
14	Electrification with meter board & fittings @ 15%								**130072.20**
15	Miscesallaneous Charges	L/S							**2779.80**
								Total	**1000000.00**

(Rupees Ten Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2012-13 & Market Rates.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer 12/12/2012
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs. 10.00 lakh
Ten lakh only
under PDS 2012-13 cancelled.
P. 127
registered as EE No: 379/12-13 Subject to conditions contained enclosed memo.
No: 379 /12-13 Dt. 10.1.13

EE (RTP. Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs.
Rupees Ten lakhs only
Under PDS-2012-13
P. 127
Registered as EE ( ) No 3...9...
Subject to conditions contained in
enclosed memo EE ( ) No 744 /9/...
Dt 7-1-13 Estimate Administratively Sanctioned
JCA 7/1/13
7-1-13 10.00 Lakh

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92.

152 - BYATARAYANAPURA AC
WARD NAME : 10 - DODDA BOMMASANDRA

Zodhav
AE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಎಂಜಿನಿಯರ್
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ. ಬೆಂಗಳೂರು-97